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(54) Title: CHITOBIASE AS A REPORTER ENZYME

(57) Abstract: The present invention relates to reporter gene constructs encoding a cytoplasmic form of chitobiase (N,N'-diacetyl-chitobiase) and methods of using these reporter gene constructs. The use of a cytoplasmic form of chitobiase as a reporter enzyme is generally applicable to the study of gene expression in organisms which do not contain N-acetyl- β -D-glucosaminidases.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KALABAT D Y ET AL: "Chitobiase, a new reporter enzyme" BIOTECHNIQUES, US, EATON PUBLISHING, NATICK, vol. 25, no. 6, December 1998 (1998-12), pages 1030-1035, XP002106689 ISSN: 0736-6205 cited in the application the whole document ---	1-50
A	WO 98 49320 A (AHLUWALIA NAVNEET K ; BENKEL BERNHARD F (CA); FALCONER MARCIA M (CA) 5 November 1998 (1998-11-05) abstract page 1 -page 2 ---	1-50 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE BIOSIS 'Online!' BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; March 1998 (1998-03) PIRUZIAN E S ET AL: "The use of a thermostable beta-glucanase gene from <i>Clostridium thermocellum</i> as a reporter gene in plants." Database accession no. PREV199800227889 XP002171323 abstract & MOLECULAR & GENERAL GENETICS, vol. 257, no. 5, March 1998 (1998-03), pages 561-567, ISSN: 0026-8925 -----</p>	1-50

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9849320 A	05-11-1998	CA 2203613 A	AU 6085698 A	24-10-1998 24-11-1998